

Application No.: 10/664,274

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Docket No.: 514862000800

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (original): A scrubber for eliminating a component from air flowing through the scrubber, comprising a housing (1) having at least one inlet hole (2) and an outlet hole (4) and which is comprising filtering material (6), characterised in that a second outlet hole (9) is provided in the housing (1) at a position situated at a distance from the first outlet hole (4) and any inlet hole (2) so that the air leaving the second outlet hole (9) will have passed at least through a depth of the filtering material (6) substantially corresponding to the depth of the filtering material (6) for the air flowing from the inlet hole (2) to the first outlet hole (4).

Claim 2 (original): A scrubber according to claim 1, wherein the second outlet hole (9) is intended for a smaller throughput of air than the first outlet hole (4).

Claim 3 (currently amended): A scrubber according to claim 1, wherein several said at least one inlet holes (2) are provided in the housing (1) in an first end side (3) opposite an second end side (5) comprising the first outlet hole (4).

Claim 4 (currently amended): A scrubber according to claim 3, wherein the second outlet hole (9) is provided at the a wall (8) of the housing (1) between the two first and second end sides (3, 5).

Claim 5 (currently amended): A scrubber according to claim 3, wherein no inlet holes are present in the second end side (5) comprising the first outlet hole (4) in the vicinity of the second outlet hole (9) so that the air will flow at least through a depth of the filtering material substantially corresponding to the depth of the filtering material (6) for the air flowing through the first outlet hole (4).

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Claim 6 (original): A scrubber according to claim 1, wherein a non-return valve (11) is provided in the first outlet hole (4).

Claim 7 (original): A scrubber according to claim 1, wherein the scrubber is provided for filtering NO.

Claim 8 (original): A scrubber according to claim 7, wherein the filter material (6) is potassium permanganate $KMnO_4$ or potassium permanganate in combination with a suitable grade of carbon.

Claim 9 (original): A scrubber according to claim 7, wherein the scrubber eliminates NO to a level less than 5 ppb.

Claim 10 (original): A scrubber according to claim 1, wherein a particle filter (7) is provided inside the housing (1) at least at the inlet holes (2) and at the first and second outlet holes (4, 9) in order to stop the filter material (6) to escape from the scrubber.

Claim 11 (original): A scrubber according to claim 1, wherein the flow rate through the first outlet hole (4) is about 1-10 l/s and the flow rate through the second outlet hole (9) is about 0,5-50 ml/s.

Claim 12 (currently amended): A scrubber according to claim 1, wherein the size of the particles of the filtering material is in the range of 1/8-1/128 of an inch and preferably 1/32-1/64 of an inch.

Claim 13 (new): A scrubber according to claim 12, wherein the size of the particles of the filtering material is in the range of 1/32-1/64 of an inch.

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